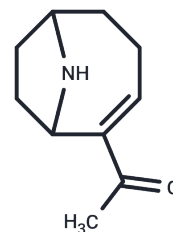


(±)-Anatoxin A hydrochloride**Chemical Properties**

CAS No. :	70470-07-4
Formula:	C ₁₀ H ₁₆ ClNO
Molecular Weight:	201.69
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

HCl

**Biological Description**

Description	(±)-Anatoxin A hydrochloride is the salt form of (±)-Anatoxin A. (±)-Anatoxin A is a potent neurotoxic naturally occurring alkaloid known as a rapid death factor (VFDF), a potent, direct, and selective agonist of the nAChR (nicotinic acetylcholine receptor), also known as the nicotinic receptor agonist.
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9581 mL	24.7905 mL	49.581 mL
5 mM	0.9916 mL	4.9581 mL	9.9162 mL
10 mM	0.4958 mL	2.4791 mL	4.9581 mL
50 mM	0.0992 mL	0.4958 mL	0.9916 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Koskinen AM, et al. Synthetic and conformational studies on anatoxin-a: a potent acetylcholine agonist. J Med Chem. 1985 Sep;28(9):1301-9.

Valentine WM, et al. Electromyographic assessment of the neuromuscular blockade produced in vivo by anatoxin-a in the rat. Toxicol. 1991;29(3):347-57.

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